## **EAST Search History**

## EAST Search History (Prior Art)

| Ref #      | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp |
|------------|------|---|---|---------------------|---------|------------|
| <b>S</b> 5 | 2    | ("709"/\$.ccls. or "380"/\$.ccls. or "713"/\$.ccls. or "713"/\$.ccls. or "713"/\$.ccls. or "726"/\$.ccls. or "726"/\$.ccls. or "126"/\$.ccls. or lice or programmable logic" or security) adj1 (analysis or manag\$ or valida\$) with (tool? or system? or methodolog\$)) and (mitigat\$ adj1 (security or threat? or attack? or issue? or vulnerabilit\$) and @ad<"20021021" | US-PCPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB | OR                  | OFF     | 2007/06/14 |
| <b>S</b> 6 | 7    | ((factory or factories or plc or "programmable logic" or security) adj1 (analysis or manag\$ or valida\$) with (tool? or system? or methodolog\$)) and (mitigat\$ adj1 (security or threat? or attack? or issue? or vulnerabilit\$)) and @ad~"20021021"   | US PCPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2007/06/14 |
| S7         | 9    | ((\$commerce or manufact \$ or factory or factories or ploc or "programmable logic" or security) adj3 (analy\$ or manag\$ or valida\$) with (tool? or system? or methodolog\$)) and (mitigat\$ adj1 (security or threat? or attack? or issue? or vulnerabilit\$) and @ad<"20021021"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2007/06/14 |

| S8  | .9 | (((\$commerce or manufact \$ or factory or factories or plo or "programmable logic" or security) adj3 (analy\$ or manag\$ or valida\$) with (tool? or system? or methodolog\$)) and (mitigat\$ adj1 (security or threat? or attack? or issue? or vulnerabilis\$) and (risk\$ or cost\$ or model\$ or output\$ or asset? or audit \$) and @ad<"20021021"                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>JERWENT;<br>IBM_TDB   | OR | OFF | 2007/06/14<br>15:15 |
|-----|----|---|---|----|-----|---------------------|
| S9  | 27 | (((\$commerce or manufact \$ or factory or factories or pic or "programmable logic" or security) adj3 (analy\$ or manag\$ or valida\$) with (tool? or system? or methodolog\$)) and (mitigat\$ adj3 (security or threat? or attack? or issue? or vulnerabilit\$)) and (risk\$ or cost\$ or model\$ or output\$ or asseet? or audit\$) and @@ad<"20021021"                               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>JDERWENT;<br>IBM_TDB  | OR | OFF | 2007/06/14<br>15:23 |
| S10 | 27 | (("assembly line" or "shop floor" or \$commerce or manufact\$ or factory or factories or plc or "programmable logic" or security) adj3 (analy\$ or manag\$ or valida\$) with (tool? or system? or methodolog\$) and (mitigat\$ adj3 (security or threat? or attack? or issue? or vulnerabilit\$)) and (risk\$ or cost\$ or model\$ or output\$ or asset? or audit\$) and @ad<"20021021" | US-PCPUB;<br>USPAT; EPO;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JPAT;<br>JP | OR | OFF | 2007/06/14<br>15:31 |

| S11 | 38 | (("assembly line" or "shop floor" or \$commerce or manufact\$ or factory or factories or plc or "programmable logic" or security) adj3 (model\$ or analy\$ or manag\$ or valida\$) with (archite\$ or tool? or system? or methodolog\$)) and (mitigat\$ adj3 (rouge or maliciou\$ or \$security or threat? or attack? or issue? or vulnerabilit\$) and (risk\$ or cost\$ or model\$ or output\$ or asset? or audit\$) and (act) and act) are act) are act) and act) are act) are act) and act) are act) and act) are act) are act) are act) are act) and act) are act) are act) and act) are act) are act) are act) and act) are a | US-PCPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWIENT;<br>IBM_TDB                              | OR | OFF | 2007/06/14          |
|-----|----|---|---|----|-----|---------------------|
| S16 |    | (((corporate or corporation? or factory or factories or manufactus or propris or business) adig (asset? or property or artifacs)) with (models or analys or manags or validas) and (archites or tool? or system? or methodologs)) and (mitigats adig3 (rouge or malicious or sesecurity or threat? or attack? or issue? or vulnerabilits)) and (risks or costs or models or outputs or asset? or audits) and (add<"20021021"  | US-PCPUB;<br>USPAT; EPO;<br>JPO;<br>JPO;<br>JPO;<br>JPO;<br>JPO;<br>JPO;<br>JPO;<br>J | OR | OFF | 2007/06/14<br>16:08 |
| S17 | 1  | ((("supply chain" or corporate or corporation? or factory or factories or manufactu\$ or propri\$ or busines\$) adj2 (asset? or property or artifacs\$) with (framework or model\$ or analy\$ or manag\$ or valida\$) and (archite\$ or tool? or system? or methodolog\$)) and (mitigat\$ adj3 (rouge or maliciou\$ or \$security or threat? or attack? or issue? or vulnerabilit\$)) and (risk\$ or cost\$ or model\$ or output\$ or asset? or audit\$) and  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB                               | OR | OFF | 2007/06/14<br>16:08 |

|     | •  | @ad<"20021021"   | ***************************************                  |    |     | ļ                   |
|-----|----|--|--|----|-----|---------------------|
| S18 | 40 | ((propri\$ or busines\$ or<br>"assembly line" or "shop floor" or \$commerce or<br>manufact\$ or factory or<br>factories or plc or<br>"programmable logic" or<br>security) adj3 (framework<br>or model\$ or analy\$ or<br>manag\$ or valida\$) with<br>(archite\$ or tool? or<br>system? or methodolog\$))<br>and (mitigat\$ adj3 (rouge<br>or malicious or \$security<br>or threat? or attack? or<br>issue? or vulnerabilit\$)<br>and (risk\$ or cost\$ or<br>model\$ or output\$ or<br>asset? or audit\$) and<br>@ad<"20021021" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB  | OR | OFF | 2007/06/14          |
| S19 | 40 | ((propri\$ or busines\$ or "assembly line" or "shop floor" or \$commerce or manufact\$ or factory or factories or plo or "programmable logic" or security) adj3 (alarm or framework or model\$ or analy\$ or manag\$ or valida\$) with (archite\$ or tool? or system? or methodolog\$)) and (mitigat\$ adj3 (rouge or maliciou\$ or \$security or threat? or attack? or issue? or vulnerabilit\$)) and (risk\$ or cost\$ or model\$ or output\$ or asset? or audit\$) and @ad<"20021021"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB  | OR | OFF | 2007/06/14<br>16:49 |
| S20 | 41 | ((industr\$ or propri\$ or busines\$ or "assembly line" or "shop floor" or \$commerce or manufact\$ or factory or factories or pic or "programmable logic" or security) adj3 (alarm or framework or model\$ or analy\$ or manag\$ or valida\$) with (archite\$ or tool? or methodolog\$)) and (mitigat\$ adj3 (rouge or maliciou\$ or \$security   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>JDERWENT;<br>IBM_TDB | OR | OFF | 2007/06/14<br>16:18 |

|      |     | or threat? or attack? or issue? or vulnerabilit\$)) and (benefi\$ or risk\$ or cost\$ or model\$ or output \$ or asset? or audit\$) and @ad<"20021021"   | ***************************************                 | *************************************** |     |                     |
|------|-----|--|---|---|-----|---------------------|
| \$22 | 538 | (lindustr\$ or propri\$ or busines\$ or "assembly line" or "shop floor" or \$commerce or manufact\$ or factory or factories or plc or "programmable logic" or security) adj3 (alarm or framework or model\$ or analy\$ or manag\$ or valida\$) with (archite\$ or tool? or system? or methodolog\$)) and ((defen\$ or prevent\$ or protect\$ or mitigat\$) adj3 (rouge or maliciou\$ or \$security or threat? or vulnerabilit\$)) and (benefi\$ or risk\$ or cost\$ or cost\$ or model\$ or output\$ or masset? or audit\$) and (@ad~ "20021021" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB | OR                                      | OFF | 2007/06/14<br>16:34 |
| S23  | 374 | ((factory or factories or plc or "programmable logic" or security) adj3 (alarm or framework or model§ or analy\$ or manag\$ or valida\$) with (archite\$ or tool? or system? or methodolog\$)) and ((defen\$ or prevent\$ or protect\$ or mitigat\$) adj3 (rouge or maliciou\$ or \$security or threat? or vulnerabilit\$) and (benefi\$ or riskg or cost\$ or cost\$ or model\$ or output\$ or masset? or audit\$) and (@adc "20021021"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB | OR                                      | OFF | 2007/06/14<br>16:38 |

| \$24 | 255 | [(ffactory or factories or plc or "programmable logic" or security) adj1 (alarm or framework or model\$ or analy\$ or manag\$ or valida\$) with (archite\$ or tool? or system? or methodolog\$)) adj ((defen\$ or prevent\$ or protect\$ or mitigat\$) adj3 (rouge or maliciou\$ or \$security or threat? or attack? or issue? or vulnerabilit\$)) and (benefi\$ or risk\$ or cost\$ or model\$ or output\$ or asset? or audit\$) and (@ad~"20021021"                                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/06/14          |
|------|-----|--|---|----|-----|---------------------|
| \$25 | 148 | ((flactory or factories or plc or "programmable logic" or security) adj1 ("physical security" or alarm or framework or models or analy\$ or manag\$ or valida\$) with (archite\$ or tool? or system? or methodolog\$)) and (floelen\$ or prevent\$ or protect\$ or mitigat\$) adj1 (rouge or maliciou\$ or \$security or threat? or attack? or issue? or vulnerabilit\$)) and (benefi\$ or risk5 or cost\$ or cost\$ or model\$ or output\$ or masset? or audit\$) and (@adc*20021021" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB | OR | OFF | 2007/06/14<br>16:45 |
| \$27 | O   | ((factory or factories or plc or "programmable logic") adj 3 (alarm or framework or model\$ or analy\$ or manag\$ or valida\$) with (archite\$ or tool? or system? or methodolog\$)) and ((defen\$ or prevent\$ or protect\$ or mitigat\$) adj3 (rouge or maliciou\$ or \$security or threat? or attack? or issue? or vulnerabilit\$)) and "physical security" and (benefi\$ or risk\$ or cost\$ or model\$ or output\$ or   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB | OR | OFF | 2007/06/14<br>16:48 |

|     |     | asset? or audit\$) and<br>@ad<"20021021"  | ***************************************                    |    |     | *************************************** |
|-----|-----|---|--|----|-----|---|
| S28 | 299 | (713/166.ccls.) and<br>@ad<"20021021"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB    | OR | OFF | 2008/07/16<br>16:18                     |
| S29 | 5   | (713/166.ccls.) and ((factory or factories or plc or "programmable logic" or security) adj1 ("physical security" or alarm or framework or model\$ or analy\$ or manag\$ or valida\$) with (archite\$ or tool? or system? or methodolog\$)) and ((defen\$ or prevent\$ or protect\$ or mitigat\$) adj1 (rouge or maliciou\$ or \$security or threat? or attack? or issue? or vulnerabilit\$)) and (benefi\$ or risk\$ or cost\$ or model\$ or output\$ or asset! or audit\$) and @ad<"20021021"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB    | OR | OFF | 2008/07/16                              |
| S31 | 106 | "709"(\$.cds. or "380"(\$.cds. or "713"(\$.cds. or "713"(\$.cds.) and (("industrial controller" factories plc "programmable logic" security) adj1 ("physical security" or alarm or framework or model\$ or analysis analyze manag\$ or valida\$) with (archite\$ or tool? or system? or methodolog\$)) and ((defen\$ or prevent\$ or protect\$ or mitigats) adj1 (rouge or maliciou\$ or \$security or threat? or attack? or issue? or vulnerabilit(\$)) and (benefi\$ or risk\$ or cost\$ or cost\$ or model\$ or output\$ or model\$ or output\$ or asset? or audit\$) and (@ade* 20021021" | US-PGPUB;<br>US-PGPT; EPO;<br>JPO;<br>DEFWIENT;<br>IBM_TDB | OR | OFF | 2008/07/16                              |

| S32 | 307 | (713/166.ccls.) and<br>@ad<"20021021"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB  | OR | OFF | 2008/12/29<br>17:12 |
|-----|-----|--|--|----|-----|---------------------|
| S33 | 108 | ("709"/\$.cols. "380"/\$. cols. or "713"/\$.cols. or "713"/\$.cols. or "713"/\$.cols. or "726"/\$.cols. or "726"/\$.cols. or "726"/\$.cols.) and (("industrial controller" tactory factories plc "programmable logic" security) adj ("physical security" or alarm or framework or model\$ or analysis analyze manag\$ or valida\$) with (archite\$ or tool? or system? or methodolog\$)) and (((defen\$ or prevent\$ or protect\$ or mitigat\$) adj ((rouge or mitigat\$) adj (rouge or maliciou\$ or \$security or threat? or attack? or issue? or vulnerabilit\$)) and (benefi\$ or risk\$ or cost\$ or cost\$ or cost\$ or cost\$ or model\$ or output\$ or asset? or audit\$) and (@ad<"2002t1021" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB  | OR | OFF | 2009/05/26<br>15:26 |
| S34 | 6   | (713/166.cds.) and (("industrial controller" factory factories plc "programmable logic" security) adj 1 ("physical security" or alarm or framework or model\$ or analy\$ or manag\$ or valida\$) with (archite\$ or tool? or system? or methodolog\$)) and ((defen\$ or prevent\$ or protect\$ or mitigat\$) adj 1 (rouge or maliciou\$ or \$security or threat? or attack? or issue? or vulnerabilit\$)) and (benefi\$ or risk\$ or cost\$ or cost\$ or model\$ or output\$ or masset? or audit\$) and (@ad~*20021021"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWIENT;<br>IBM_TDB | OR | OFF | 2009/05/26<br>15:29 |
| S35 | 313 | (713/166.ccls.) and<br>@ad<"20021021"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB  | OR | OFF | 2009/05/26<br>16:21 |

| <b>S</b> 36 | 6   | (713/166.cds.) and ((factor\$3 ptc programmable logic" security) adj1 ("physical security" alarm framework model\$ analy\$ manag\$ valida\$) with (archite\$ tool? system? methodolog\$)) and ((defen\$ prevent\$ protect \$ mitigat\$ countermeasur \$) adj1 (rouge maliciou\$ security threat? attack? issue? vulnerabilit\$)) and (benefi\$ risk\$ cost\$ model \$ output\$ asset? audit\$ reqard\$3) and @ad< "20021021"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB | OR | OFF | 2009/05/26<br>16:24 |
|-------------|-----|---|---|----|-----|---------------------|
| S37         | 113 | ("709"/\$.cols. or "380"/\$.cols. or "713"/\$.cols. or "713"/\$.cols. or "726"/\$.cols. or "716"/\$.cols. or "726"/\$.cols. on "(flador \$3 plc "programmable logic" security) adj I ("physical security" alarm framework model\$ analy\$ manag\$ valida\$) with (archite\$ tool? system? methodolos\$) and ((defen\$ prevent\$ protect \$ mitigat\$ countermeasur \$) adj I (rouge maliciou\$ \$security threat? attack? issue? vulnerabilit\$)) and (beneff\$ risk\$ cost\$ model \$ output\$ asset? audit\$ reqard\$3) and (@ad<"20021021" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB | OR | OFF | 2009/05/26<br>16:26 |
| S38         | 317 | (713/166.ccls.) and<br>@ad<"20021021"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/12/07<br>11:15 |

| \$39 | 112 | ("709"/\$.cols. "380"/\$.cols. "716"/\$.cols. "726"/\$.cols. "726"/\$.cols. "726"/\$.cols. and ("industrial controller" factory factories plc "programmable logic" security) adj1 ("physical security" alarm framework model\$ analysis analyze manag\$ valida\$) with (archite\$ tool? system? methodolog \$)) and ((defen\$ prevent\$ protect\$ mitigat\$) adj1 (rouge maliciou\$ \$security threat? attack? issue? vulnerabilit\$)) and (benefi\$ risk\$ cost\$ model \$ output\$ asset? audit\$) and @ad<"20021021"  | US PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB | OR | OFF | 2009/12/07 |
|------|-----|--|---|----|-----|------------|
| 940  | 1   | ("709"/\$.ccls. "380"/\$.ccls. "713"/\$.ccls. "726"/\$.ccls. "713"/\$.ccls. "726"/\$.ccls. pin. ("industrial controller" factory factories ple "programmable logic" security) adj 1 ("physical security" alarm framework model\$ analysis analyze manag\$ valida\$ with (archite\$ tool? system? methodolog\$) and ((adjust\$ amend\$ edit\$ updat\$3 alter\$ correct\$4 disable \$install \$4 action\$4) adj 1 (security adj2 (paramet\$ object\$3 variabl\$ requis \$3 attempt\$)) and (benefi\$ risk\$ cost\$ model\$ output\$ asset? audit\$) and @ad<"20021021" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB | OR | OFF | 2009/12/07 |

| 941 | 2   | ("705"/\$.cols. "709"/\$.cols. "380"/\$.cols. "713"/\$.cols. "736"/\$.cols. "713"/\$.cols. "726"/\$.cols. 3nd (("industrial controller" factory factories plc "programmable logic" security) adj 1 ("physical security) adj 1 ("physical security) adj 1 ("physical security) adj 1 ("physical security) analyze manag\$ valida\$) with (archite\$ tool? system? methodolog \$)) and ((adjust\$ amend\$ edit\$ updat\$3 atter\$ correct\$4 clisable \$install \$4 action\$4 counter\$ remediat\$) adj 1 (security adj2 (paramet\$ object\$3 variabl\$ requst\$3 attempt \$ counter\$))) and (benefi \$ risk\$ cost\$ model\$ output\$ asset? audit\$) and @ad< "20021021" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWIENT;<br>IBM_TDB        | OR | OFF | 2009/12/07          |
|-----|-----|---|---|----|-----|---------------------|
| 842 | 2   | [("industrial controller" tactory factories plc "programmable logic" security" adjr ("physical security" alarm framework model\$ analysis analyze manag\$ valida\$) with (archite\$ tool? system? methodolog \$)) and ((adjust\$ amend\$ edit\$ updat\$3 alter\$ correct\$4 disable \$install \$4 action\$4 counter\$ remediat\$) adjr (security adj² (paramet\$ object\$3 variabl\$ requst\$3 attempt \$5 counter\$))) and (benefi \$risk\$ cost\$ model\$ output\$ asser? audit\$) and @ad<"20021021"   | US POPUB;<br>USPAT; EPO;<br>JPO;<br>JPO;<br>DETWENT;<br>IBM_TDB | OR | OFF | 2009/12/07<br>14:46 |
| S43 | 325 | (713/166.ccls.) and<br>@ad<"20021021"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB         | OR | OFF | 2010/07/28<br>18:32 |

| 944         | 119 | ("709"/\$.cds. "380"/\$.cds. "713"/\$.cds. "726"/\$.cds. "713"/\$.cds. "726"/\$.cds. and (("industrial controller" factory factories plc "programmable logic" security) adj1 ("physical security" alarm framework model\$ analysis analyze manag\$ valida\$) with (archite\$ tool? system? methodolog\$)) and ((defen\$ prevent\$ protect\$ mitigats \$2mediat\$3 isolat\$4) adj1 ((rouge maliciou\$ security threat? attack? issue? vulnerabilit\$)) and (benef\$ risk\$ cost\$ model\$ output\$ asser! audits) and @ad<"20021021" | US POPUB;<br>USPAT; EPO;<br>JPO;<br>DEFEWENT;<br>IBM_TDB | ОR | OFF | 2010/07/28<br>18:34 |
|-------------|-----|---|--|----|-----|---------------------|
| <b>S</b> 45 | 1   | ("709"/\$.cots. "380"/\$.cots. "713"/\$.cots. "726"/\$.cots.) and (("industrial controller" factory factories plc "programmable logic" security) adj1 ("physical security" alarm framework model\$ analyse manag\$ valida\$) with (archite\$ tool? system? methodolog \$)) and ((adjust\$ amend\$ edit\$ updat\$3 alter\$ correct\$4 disable \$install \$4 action\$4 \$2mediat\$3) adj1 (security adj3 ((paramet\$ object\$3 variabl \$ requet\$\$3 attempt\$))) and (beneff\$ risk\$ cost\$ model\$ output\$ asset? audit\$) and   | US-PG7UE;<br>USPAT; EPO;<br>JPO;<br>DEFWIBNT;<br>IBM_TDB | ÖR | OFF | 2010/07/28          |

| <b>S</b> 46 | 1 | [("industrial controller" factory factories plc "programmable logic" security) adj1 ("physical security" alarm framework model\$ analysis analyze manag\$ valida\$) with (archite\$ tool? system? methodolog \$)) and ((adjust\$ amend\$ edit\$ updat\$3 alter\$ correct\$4 disable \$install \$4 action\$4 \$2mediat\$3) adj1 (security adj3 (paramet\$ object\$3 variabl \$ requst\$3 attempt\$))) and (benef\$; risk\$ cost\$ model\$ output\$ asset? audit\$) and  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DEFWENT;<br>IBM_TDB | OR | OFF | 2010/07/28<br>18:40 |
|-------------|---|--|---|----|-----|---------------------|
| <b>S</b> 47 | 2 | (("industrial controller" factory factories plc "programmable logic" security) adj1 ("physical security" alarm framework model\$ analysis analyze manag\$ valida\$) with (archite\$ tool? system? methodolog \$ instrumen\$) and (falign \$ calibrat\$ extend? adjust \$ amend\$ edit\$ updat\$3 alter\$ correct\$4 disable sinstalls4 action\$4 counter \$ remediat\$) adj2 (security adj2 (paramet\$ object\$5 variabl\$ requst \$3 attempt\$ counter\$))) and (benef\$ risk\$ cost\$ model\$ output\$ asset? audit\$) and@ad="20021021" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/07/28<br>18:44 |

## EAST Search History (Interference)

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